

**Claims:**

1. A method for treating headaches in a patient with acromegaly comprising administration of a growth hormone receptor antagonist and a COX-2 inhibitor to the said patient in need of the treatment.
2. The method according to claim 1, wherein the human growth hormone antagonist is selected from a human growth hormone variant, its pegylated form, or its pro-drug form.
3. The method according to claim 2, wherein the human growth hormone antagonist is pegvisomant.
4. The method according to claim 1, wherein the COX-2 inhibitor is selected from celecoxib, valdecoxib, parecoxib, rofecoxib and etoricoxib.
5. The method according to claim 2, wherein the COX-2 inhibitor is selected from celecoxib, valdecoxib, parecoxib, rofecoxib and etoricoxib.
6. The method according to claim 3, wherein the COX-2 inhibitor is selected from celecoxib, valdecoxib, parecoxib, rofecoxib and etoricoxib.
7. The method according to claim 4, wherein the COX-2 inhibitor is celecoxib or valdecoxib.
8. A pharmaceutical composition comprising a pharmaceutical acceptable carrier and a therapeutically effective amount of a growth hormone receptor antagonist and a COX-2 inhibitor.
9. A method for preparation of a medicament comprising a growth hormone receptor antagonist and a COX-2 inhibitor for the treatment of headaches in a patient with acromegaly.